

# HISTORIC AMERICAN ENGINEERING RECORD

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CAPE CANAVERAL AIR FORCE STATION

HAER No. FL-8-AV

MISSION CONTROL CENTER

(Building No. 1385, Mercury Control Center)

Mission Control Road, east of Samuel C. Phillips Parkway

Cape Canaveral

Brevard County

Florida

Penny Rogo Bailes, Photographer; Teresa Norman, Assistant Photographer  
(FL-8-AV-1 through FL-8-AV-54)

March 2009

Penny Rogo Bailes, Photographer, May 2009 (FL-8-AV-55 through FL-8-AV-65)

FL-8-AV-1	VIEW OF EAST ELEVATION, FACING NORTHWEST.
FL-8-AV-2	VIEW OF EAST AND NORTH ELEVATIONS, FACING WEST.
FL-8-AV-3	VIEW OF NORTH ELEVATION, FACING SOUTHWEST.
FL-8-AV-4	VIEW OF NORTH AND WEST ELEVATIONS, FACING SOUTH.
FL-8-AV-5	VIEW OF WEST ELEVATION, FACING SOUTHEAST.
FL-8-AV-6	VIEW OF WEST AND SOUTH ELEVATIONS, FACING EAST.
FL-8-AV-7	VIEW OF SOUTH ELEVATION, FACING NORTHEAST.
FL-8-AV-8	VIEW OF SOUTH AND EAST ELEVATIONS, FACING NORTH.
FL-8-AV-9	DETAIL VIEW OF NASA "MEATBALL" LOGO ON NORTH ELEVATION, FACING SOUTHWEST.
FL-8-AV-10	OVERALL VIEW OF THE FLIGHT CONTROL AREA, FACING NORTHWEST.
FL-8-AV-11	OVERALL VIEW OF THE FLIGHT CONTROL AREA, FACING SOUTHWEST.
FL-8-AV-12	VIEW OF SOUTH WALL OF THE FLIGHT CONTROL AREA, FACING SOUTH.

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FL-8-AV-13	OVERALL VIEW OF THE FLIGHT CONTROL AREA, FACING NORTHEAST.
FL-8-AV-14	OVERALL VIEW OF THE FLIGHT CONTROL AREA, FACING SOUTHEAST.
FL-8-AV-15	DETAIL VIEW OF WINDOW BETWEEN FLIGHT CONTROL AREA AND VIEWING AREA, FACING SOUTH.
FL-8-AV-16	DETAIL VIEW OF THE FLOOR OPENINGS FOR THE CONSOLE CABLES, FACING WEST.
FL-8-AV-17	DETAIL VIEW OF ELECTRICAL PANEL ALONG EAST WALL, FACING EAST.
FL-8-AV-18	DETAIL VIEW OF FIRE BELL ON NORTH WALL, FACING NORTH.
FL-8-AV-19	DETAIL VIEW OF THE MOVEABLE ARMS FOR THE WORLD MAP DISPLAY, FACING WEST.
FL-8-AV-20	DETAIL VIEW OF THE MOTOR BOXES FOR THE TWO MOVEABLE ARMS FOR THE WORLD MAP DISPLAY, FACING NORTHWEST. NOTE THE CAPSULE AND CIRCLE DESIGNATIONS ON THE SIDE.
FL-8-AV-21	DETAIL VIEW OF THE MOTOR FOR THE CAPSULE'S MOVEABLE ARM, FACING WEST.
FL-8-AV-22	DETAIL VIEW OF THE SMALL ELECTRICAL PANEL FOR THE MOVEABLE ARMS FOR THE WORLD MAP DISPLAY, FACING SOUTHWEST.
FL-8-AV-23	DETAIL VIEW OF THE RHEOSTAT AND OTHER ELECTRICAL COMPONENTS FOR THE TIME DISPLAYS ABOVE THE WORLD MAP DISPLAY, FACING NORTHEAST.
FL-8-AV-24	DETAIL VIEW OF ONE OF THE DOORS LEADING TO THE SUPPORT AREA, FACING WEST.
FL-8-AV-25	DETAIL VIEW OF THE PLATFORM AND PROJECTOR IN THE SOUTHWEST CORNER OF THE SUPPORT AREA, FACING WEST.

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FL-8-AV-27	DETAIL VIEW OF AN ELECTRICAL CONTROL PANEL WITHIN THE SUPPORT AREA, FACING SOUTH.
FL-8-AV-28	OVERALL VIEW OF THE RAISED VIEWING AREA, FACING SOUTH.
FL-8-AV-29	DETAIL VIEW OF THE SOUTH STEPS INTO THE VIEWING AREA, FACING NORTH.
FL-8-AV-30	DETAIL VIEW OF THE NORTH STEPS INTO THE VIEWING AREA, FACING SOUTH
FL-8-AV-31	OVERALL VIEW OF THE FLIGHT CONTROL BRIEFING ROOM, FACING SOUTHWEST.
FL-8-AV-32	DETAIL VIEW OF THE CABLE CHANNEL THROUGH THE FLIGHT CONTROL BRIEFING ROOM, FACING SOUTH.
FL-8-AV-33	OVERALL VIEW OF THE NETWORK SUPPORT TEAM ROOM, FACING SOUTH.
FL-8-AV-34	OVERALL VIEW OF THE SOUTH HALF OF THE DATA ANALYSIS ROOM, FACING SOUTHWEST.
FL-8-AV-35	OVERALL VIEW OF THE NORTH HALF OF THE DATA ANALYSIS ROOM, FACING WEST.
FL-8-AV-36	OVERALL VIEW OF THE NORTH CORRIDOR, FACING WEST.

Photograph Nos. FL-8-AV-37 through FL-8-AV-54 are of original equipment that was removed from the MCC in 1999 to be used in the Early Space Exploration exhibit at the KSC Visitor Complex.

FL-8-AV-37	OVERALL VIEW OF THE MERCURY CONTROL CENTER DISPLAY AT THE KSC VISITOR COMPLEX, FACING SOUTHEAST.
FL-8-AV-38	OVERALL VIEW OF THE WORLD MAP DISPLAY, FACING EAST.

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FL-8-AV-39	DETAIL VIEW OF WIRING FOR VARIOUS COMPONENTS OF THE WORLD MAP DISPLAY, FACING SOUTHWEST.
FL-8-AV-40	OVERALL VIEW OF THE MERCURY CONTROL CENTER DISPLAY AT THE KSC VISITOR COMPLEX, FACING SOUTHWEST.
FL-8-AV-41	OVERALL VIEW OF THE MERCURY CONTROL CENTER DISPLAY AT THE KSC VISITOR COMPLEX, FACING NORTHWEST.
FL-8-AV-42	OVERALL VIEW OF THE FIRST ROW OF CONSOLES, FACING SOUTHEAST.
FL-8-AV-43	OVERALL VIEW OF THE FIRST ROW OF CONSOLES, FACING NORTHEAST.
FL-8-AV-44	DETAIL VIEW OF THE CAPSULE COMMUNICATOR CONSOLE, FACING EAST.
FL-8-AV-45	DETAIL VIEW OF THE BOOSTER AND CAPSULE SYSTEMS CONSOLES, FACING EAST.
FL-8-AV-46	OVERALL VIEW OF THE SECOND ROW OF CONSOLES, FACING SOUTHEAST.
FL-8-AV-47	OVERALL VIEW OF THE SECOND ROW OF CONSOLES, FACING NORTHEAST.
FL-8-AV-48	DETAIL VIEW OF THE FLIGHT DIRECTOR CONSOLE, FACING SOUTHEAST.
FL-8-AV-49	DETAIL VIEW OF THE NETWORK SYSTEMS CONSOLE, FACING SOUTHEAST.
FL-8-AV-50	OVERALL VIEW OF THE THIRD ROW OF CONSOLES, FACING SOUTHEAST.
FL-8-AV-51	OVERALL VIEW OF THE SIDE ROW OF CONSOLES, FACING SOUTH.
FL-8-AV-52	DETAIL VIEW OF THE RETROFIRE CONSOLE, FACING SOUTHEAST.
FL-8-AV-53	OVERALL VIEW OF THE PLOT BOARDS, FACING SOUTHEAST.

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FL-8-AV-54      DETAIL VIEW OF THE PLOT BOARD NO. 3, FACING SOUTH.

Photograph Nos. FL-8-AV-55 through FL-8-AV-65 are photocopies of engineering drawings, and are 8" x 10" enlargements from 4" x 5" negatives. Original drawings are located at the Infrastructure Operations and Maintenance Service Engineering Documentation Center, CCAFS, Florida.

FL-8-AV-55      Photocopy of drawing  
PROJECT MERCURY, STATION NO. 1A  
CCAFS, Cape Canaveral, Florida  
Drawing 01-01385, Burns and Roe, Inc., December, 1959  
DRAWING LIST  
Sheet 17A

FL-8-AV-56      Photocopy of drawing  
PROJECT MERCURY, STATION NO. 1A  
CCAFS, Cape Canaveral, Florida  
Drawing 01-01385, Burns and Roe, Inc., December, 1959  
FLOOR PLAN  
Sheet 18

FL-8-AV-57      Photocopy of drawing  
PROJECT MERCURY, STATION NO. 1A  
CCAFS, Cape Canaveral, Florida  
Drawing 01-01385, Burns and Roe, Inc., December, 1959  
ELEVATIONS AND CROSS SECTIONS  
Sheet 19

FL-8-AV-58      Photocopy of drawing  
PROJECT MERCURY, STATION NO. 1A  
CCAFS, Cape Canaveral, Florida  
Drawing 01-01385, Burns and Roe, Inc., December, 1959  
CONTROL ROOM SECTION & DETAILS  
Sheet 23

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- FL-8-AV-59      Photocopy of drawing  
PROJECT MERCURY, STATION NO. 1A  
CCAFS, Cape Canaveral, Florida  
Drawing 01-01385, Burns and Roe, Inc., December, 1959  
REFLECTED CEILING PLAN AND MISCELLANEOUS DETAILS  
Sheet 24
- FL-8-AV-60      Photocopy of drawing  
MISSION CONTROL CENTER  
CCAFS, Cape Canaveral, Florida  
Drawing 01-01385A, Pan American World Airways, Inc., November, 1962  
ELEVATIONS AND CROSS SECTIONS  
Sheet 5
- FL-8-AV-61      Photocopy of drawing  
MISSION CONTROL CENTER  
CCAFS, Cape Canaveral, Florida  
Drawing 01-01385A, Pan American World Airways, Inc., November, 1962  
SECTIONS & ELEVATIONS SHT NO. 1  
Sheet 31
- FL-8-AV-62      Photocopy of drawing  
MISSION CONTROL CENTER  
NASA, John F. Kennedy Space Center, Florida  
Drawing 201-28074, NASA-Launch Operations Center, October, 1964  
LOCATION MAP AND TABLE OF CONTENTS  
No sheet number
- FL-8-AV-63      Photocopy of drawing  
MISSION CONTROL CENTER  
NASA, John F. Kennedy Space Center, Florida  
Drawing 201-28074, NASA-Launch Operations Center, October, 1964  
ENLARGED SITE PLAN AND DETAILS  
Sheet C-1
- FL-8-AV-64      Photocopy of drawing  
MISSION CONTROL CENTER  
NASA, John F. Kennedy Space Center, Florida  
Drawing 201-28074, NASA-Launch Operations Center, October, 1964  
ARCHITECTURAL FLOOR PLAN  
Sheet A-1

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FL-8-AV-65      Photocopy of drawing  
MISSION CONTROL CENTER  
NASA, John F. Kennedy Space Center, Florida  
Drawing 201-28074, NASA-Launch Operations Center, October, 1964  
ARCHITECTURAL PLANS AND DETAILS  
Sheet A-3